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☐ 1. Document ID: US 20100066368 A1

L103: Entry 1 of 49

File: PGPB

Mar 18, 2010

PGPUB-DOCUMENT-NUMBER: 20100066368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20100066368 A1

TITLE: Dedicated Superconductor MRI Imaging System

PUBLICATION-DATE: March 18, 2010

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gao; Erzhen	Millburn	NJ	US
Ma; Qiyuan	Shanghai		CN
Yeung; Sze Man	Hong Kong		CN

APPL-NO: 12/212147 [PALM] [eDan] [US Family]

DATE FILED: September 17, 2008

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KIMC	Draw Desc Image

☐ 2. Document ID: US 20100066367 A1

L103: Entry 2 of 49

File: PGPB

Mar 18, 2010

PGPUB-DOCUMENT-NUMBER: 20100066367
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20100066367 A1

TITLE: Integrated Superconductor MRI Imaging System

PUBLICATION-DATE: March 18, 2010

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma; Qiyuan	Shanghai	NJ	CN
Gao; Erzhen	Millburn		US
Yeung; Sze Man	Hong Kong		CN

APPL-NO: 12/212122 [PALM] [eDan] [US Family]

DATE FILED: September 17, 2008

US-CL-CURRENT: 324/318; 29/592.1

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 3. Document ID: US 20100026302 A1

L103: Entry 3 of 49

File: PGPB

Feb 4, 2010

PGPUB-DOCUMENT-NUMBER: 20100026302
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20100026302 A1

TITLE: NMR CryoMAS probe for high-field wide-bore magnets

PUBLICATION-DATE: February 4, 2010

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Doty; F. David	Columbia	SC	US
Shevgoor; Siddarth	Columbia	SC	US

APPL-NO: 12/518946 [PALM] [eDan] [US Family]
DATE FILED: November 18, 2007

US-CL-CURRENT: 324/318; 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 4. Document ID: US 20090280988 A1

L103: Entry 4 of 49

File: PGPB

Nov 12, 2009

PGPUB-DOCUMENT-NUMBER: 20090280988
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20090280988 A1

TITLE: CORELESS AND BRUSHLESS DIRECT-CURRENT MOTOR, GIFFORD MCMAHON (GM) CRYOGENIC COOLER, PULSE TUBE CRYOGENIC COOLER, CRYOPUMP, MAGNETIC RESONANCE IMAGING (MRI) APPARATUS, SUPERCONDUCTING MAGNET (SCM) APPARATUS, NUCLEAR MAGNETIC RESONANCE (NMR) APPARATUS, AND CRYOGENIC COOLER FOR COOLING SEMICONDUCTOR

PUBLICATION-DATE: November 12, 2009

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Koizumi; Tatsuo	Tokyo		JP
Koyama; Tomohiro	Tokyo		JP
Takahashi; Teruo	Niihama-shi		JP
Ishikawa; Makoto	Ehime		JP

APPL-NO: 12/502736 [PALM] [eDan] [US Family]
DATE FILED: July 14, 2009

US-CL-CURRENT: 505/162; 310/156.08, 324/307, 324/318, 505/163, 62/55.5,
62/6

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 5. Document ID: US 20090210199 A1

L103: Entry 5 of 49

File: PGPB

Aug 20, 2009

PGPUB-DOCUMENT-NUMBER: 20090210199

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20090210199 A1

TITLE: SUPERCONDUCTING MAGNET, MAGNETIC RESONANCE IMAGING APPARATUS, AND
METHOD OF CALCULATING COOLABILITY OF CRYO-COOLER

PUBLICATION-DATE: August 20, 2009

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsuda; Munetaka	Tokyo		JP

APPL-NO: 12/304950 [PALM] [eDan] [US Family]

DATE FILED: July 2, 2007

US-CL-CURRENT: 702/188; 324/322, 62/48.2, 702/136

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 6. Document ID: US 20090174407 A1

L103: Entry 6 of 49

File: PGPB

Jul 9, 2009

PGPUB-DOCUMENT-NUMBER: 20090174407

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20090174407 A1

TITLE: CRYOGENIC COOLING OF MRI/NMR COILS USING INTEGRATED MICROFLUIDIC CHANNELS

PUBLICATION-DATE: July 9, 2009

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Han; Arum	College Station	TX	US
Wright; Steven M.	College Station	TX	US

APPL-NO: 12/350075 [PALM] [eDan] [US Family]
DATE FILED: January 7, 2009

US-CL-CURRENT: 324/318; 335/296

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 7. Document ID: US 20080278166 A1

L103: Entry 7 of 49

File: PGPB

Nov 13, 2008

PGPUB-DOCUMENT-NUMBER: 20080278166
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20080278166 A1

TITLE: Superconducting Loop, Saddle and Birdcage Mri Coils

PUBLICATION-DATE: November 13, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wosik; Jaroslaw	Houston	TX	US
Nesteruk; Krzysztof	Warsaw	TX	PL
Xie; Lei Ming P	Houston		US

APPL-NO: 10/583625 [PALM] [eDan] [US Family]

DATE FILED: May 20, 2005

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 8. Document ID: US 20080074113 A1

L103: Entry 8 of 49

File: PGPB

Mar 27, 2008

PGPUB-DOCUMENT-NUMBER: 20080074113

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080074113 A1

TITLE: SQUID DETECTED NMR AND MRI AT ULTRALOW FIELDS

PUBLICATION-DATE: March 27, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke; John	Cragmont Berkeley	CA	US
Pines; Alexander	Berkeley	CA	US
McDermott; Robert F.	Madison	WI	US
Trabesinger; Andreas H.	London		GB

APPL-NO: 11/740339 [PALM] [eDan] [US Family]

DATE FILED: April 26, 2007

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 9. Document ID: US 20080036463 A1

L103: Entry 9 of 49

File: PGPB

Feb 14, 2008

PGPUB-DOCUMENT-NUMBER: 20080036463
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20080036463 A1

TITLE: Ferromagnetic frame magnet with superconducting coils

PUBLICATION-DATE: February 14, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hsieh; Hank	Berkeley	CA	US
Danby; Gordon T.	Wading River	NY	US
Damadian; Raymond V.	Woodbury	NY	US
Jackson; John W.	Shoreham	NY	US
Wahl; Hugh J.	Stonybrook	NY	US
Balica; Cristian	Middle Village	NY	US

APPL-NO: 11/504246 [PALM] [eDan] [US Family]

DATE FILED: August 14, 2006

US-CL-CURRENT: 324/319

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 10. Document ID: US 20070018643 A1

L103: Entry 10 of 49

File: PGPB

Jan 25, 2007

PGPUB-DOCUMENT-NUMBER: 20070018643
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070018643 A1

TITLE: SQUID DETECTED NMR AND MRI AT ULTRALOW FIELDS

PUBLICATION-DATE: January 25, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke; John	Berkeley	CA	US
McDermott; Robert	Louisville	CO	US
Pines; Alexander	Berkeley	CA	US
Trabesinger; Andreas Heinz	Zurich		CH

APPL-NO: 11/534757 [PALM] [eDan] [US Family]

DATE FILED: September 25, 2006

US-CL-CURRENT: 324/301; 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 11. Document ID: US 20060176056 A1

L103: Entry 11 of 49

File: PGPB

Aug 10, 2006

PGPUB-DOCUMENT-NUMBER: 20060176056

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060176056 A1

TITLE: NMR CryoMAS Probe for High-field Wide-bore Magnets

PUBLICATION-DATE: August 10, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Doty; F. David	Columbia	SC	US
Shevgoor; Siddarth	Columbia	SC	US

APPL-NO: 11/275933 [PALM] [eDan] [US Family]

DATE FILED: February 6, 2006

US-CL-CURRENT: 324/321

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 12. Document ID: US 20060176054 A1

L103: Entry 12 of 49

File: PGPB

Aug 10, 2006

PGPUB-DOCUMENT-NUMBER: 20060176054

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060176054 A1

TITLE: SQUID Detected NRM and MRI at Ultralow Fields

PUBLICATION-DATE: August 10, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke; John	Berkeley	CA	US
McDermott; Robert	Louisville	CO	US
Pines; Alexander	Berkeley	CA	US
Trabesinger; Andreas Heinz	Zurich		CH

APPL-NO: 11/277550 [PALM] [eDan] [US Family]

DATE FILED: March 27, 2006

US-CL-CURRENT: 324/300; 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 13. Document ID: US 20060091881 A1

L103: Entry 13 of 49

File: PGPB

May 4, 2006

PGPUB-DOCUMENT-NUMBER: 20060091881

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060091881 A1

TITLE: NMR and MRI apparatus and method

PUBLICATION-DATE: May 4, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke; John	Berkeley	CA	US
Kelso; Nathan	Albany	CA	US
Lee; SeungKyun	Berkeley	CA	US
Moessle; Michael	Berkeley	CA	US
Myers; Whittier	Berkeley	CA	US
McDermott; Robert	Santa Barbara	CA	US
Haken; Bernard ten	Enschede	CA	NL
Pines; Alexander	Berkeley		US
Trabesinger; Andreas	Zurich		CH

APPL-NO: 10/980984 [PALM] [eDan] [US Family]

DATE FILED: November 3, 2004

US-CL-CURRENT: 324/301

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 14. Document ID: US 20050168222 A1

L103: Entry 14 of 49

File: PGPB

Aug 4, 2005

PGPUB-DOCUMENT-NUMBER: 20050168222

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050168222 A1

TITLE: Gradient coil system for a magnetic resonance tomography device having a more effective cooling

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Arz, Winfried	Nurnberg		DE
Schaaf, Michael	Shenzhen		CN
Schuster, Johann	Oberasbach		DE
Schon, Lothar	Neunkirchen		DE

APPL-NO: 10/513244 [PALM] [eDan] [US Family]

DATE FILED: November 2, 2004

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 15. Document ID: US 20050134262 A1

L103: Entry 15 of 49

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134262

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050134262 A1

TITLE: Squid detected NMR and MRI at ultralow fields

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke, John	Berkeley	CA	US
McDermott, Robert	Louisville	CO	US
Pines, Alexander	Berkeley	CA	US
Trabesinger, Andreas Heinz	Zurich		CH

APPL-NO: 10/995765 [PALM] [eDan] [US Family]

DATE FILED: November 22, 2004

US-CL-CURRENT: 324/301; 324/307, 324/321

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 16. Document ID: US 20050090732 A1

L103: Entry 16 of 49

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090732

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050090732 A1

TITLE: Therapy via targeted delivery of nanoscale particles

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ivkov, Robert	Marblehead	MA	US
Daum, Wolfgang	Groton	MA	US
Foreman, Allan	Epping	NH	US
Gwost, Douglas	Shoreview	MN	US

APPL-NO: 10/696399 [PALM] [eDan] [US Family]

DATE FILED: October 28, 2003

US-CL-CURRENT: 600/411; 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 17. Document ID: US 20040251901 A1

L103: Entry 17 of 49

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040251901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040251901 A1

TITLE: MAGNETIC RESONANCE IMAGING DEVICE AND GRADIENT MAGNETIC FIELD
COIL USED FOR IT

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsuda, Munetaka	Ibaraki		JP
Takeshima, Hirotaka	Ibaraki		JP
Yatsuo, Takeshi	Chiba		JP

APPL-NO: 10/332069 [PALM] [eDan] [US Family]

DATE FILED: June 9, 2003

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 18. Document ID: US 20040145366 A1

L103: Entry 18 of 49

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040145366

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040145366 A1

TITLE: Superconducting quantum interference apparatus and method for
high resolution imaging of samples

PUBLICATION-DATE: July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Baudenbacher, Franz J.	Nashville	TN	US
Peters, Nicholas T.	Chicago	IL	US

Wiksw, John P. JR. Brentwood TN US
Fagaly, Robert L. Carlsbad CA US

APPL-NO: 10/650263 [PALM] [eDan] [US Family]
DATE FILED: August 27, 2003

US-CL-CURRENT: 324/248; 505/846, 600/409

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 19. Document ID: US 20040113620 A1

L103: Entry 19 of 49

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040113620
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040113620 A1

TITLE: Magnetic resonance imaging apparatus and static magnetic field
generating device used therefor

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsuda, Munetaka	Ibaraki		JP
Yoshino, Hitoshi	Chiba		JP
Takeuchi, Hiroyuki	Chiba		JP
Miyawaki, Shouichi	Chiba		JP

APPL-NO: 10/471539 [PALM] [eDan] [US Family]
DATE FILED: September 11, 2003

US-CL-CURRENT: 324/320

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 20. Document ID: US 20040027125 A1

L103: Entry 20 of 49

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040027125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040027125 A1

TITLE: SQUID detected NMR and MRI at ultralow fields

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke, John	Berkeley	CA	US
McDermott, Robert	Louisville	CO	US
Pines, Alexander	Berkeley	CA	US
Trabesinger, Andreas Heinz	Zurich		CH

APPL-NO: 10/360823 [PALM] [eDan] [US Family]

DATE FILED: February 6, 2003

US-CL-CURRENT: 324/308; 324/318, 600/425, 600/451

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 21. Document ID: US 20030092982 A1

L103: Entry 21 of 49

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092982

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092982 A1

TITLE: Microporation of tissue for delivery of bioactive agents

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Eppstein, Jonathan A.	Atlanta	GA	US

APPL-NO: 10/284408 [PALM] [eDan] [US Family]

DATE FILED: October 31, 2002

US-CL-CURRENT: 600/411; 600/368, 600/458, 600/471, 600/573, 600/581

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 22. Document ID: US 7728592 B2

L103: Entry 22 of 49

File: USPT

Jun 1, 2010

US-PAT-NO: 7728592

DOCUMENT-IDENTIFIER: US 7728592 B2

TITLE: Integrated superconductor MRI imaging system

DATE-ISSUED: June 1, 2010

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20100066367 A1	March 18, 2010

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Qiyuan	Shanghai			CN
Gao; Erzhen	Millburn	NJ		US
Yeung; Sze Man	Hong Kong			CN

APPL-NO: 12/212122 [PALM] [eDan] [US Family]

DATE FILED: September 17, 2008

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 23. Document ID: US 7631507 B2

L103: Entry 23 of 49

File: USPT

Dec 15, 2009

US-PAT-NO: 7631507

DOCUMENT-IDENTIFIER: US 7631507 B2

TITLE: Methods and devices for polarized samples for use in MRI

DATE-ISSUED: December 15, 2009

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20080104966 A1

May 8, 2008

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Stautner; Ernst Wolfgang

Niskayuna

NY

US

APPL-NO: 11/591846 [PALM] [eDan] [US Family]

DATE FILED: November 2, 2006

US-CL-CURRENT: 62/51.1; 324/307, 324/318, 324/324, 424/9.3

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 24. Document ID: US 7560929 B2

L103: Entry 24 of 49

File: USPT

Jul 14, 2009

US-PAT-NO: 7560929

DOCUMENT-IDENTIFIER: US 7560929 B2

TITLE: Ferromagnetic frame magnet with superconducting coils

DATE-ISSUED: July 14, 2009

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20080036463 A1

February 14, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hsieh; Hank	Berkeley	CA		US
Danby; Gordon T.	Wading River	NY		US
Damadian; Raymond V.	Woodbury	NY		US
Jackson; John W.	Shoreham	NY		US
Wahl; Hugh J.	Stonybrook	NY		US
Balica; Cristian	Middle Village	NY		US

APPL-NO: 11/504246 [PALM] [eDan] [US Family]

DATE FILED: August 14, 2006

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 25. Document ID: US 7466132 B2

L103: Entry 25 of 49

File: USPT

Dec 16, 2008

US-PAT-NO: 7466132

DOCUMENT-IDENTIFIER: US 7466132 B2

TITLE: Squid detected NMR and MRI at ultralow fields

DATE-ISSUED: December 16, 2008

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20080074113 A1

March 27, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; John	Berkeley	CA		US
Pines; Alexander	Berkeley	CA		US
McDermott; Robert F.	Monona	WI		US
Trabesinger; Andreas H.	London			GB

APPL-NO: 11/740339 [PALM] [eDan] [US Family]

DATE FILED: April 26, 2007

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 26. Document ID: US 7282919 B2

L103: Entry 26 of 49

File: USPT

Oct 16, 2007

US-PAT-NO: 7282919

DOCUMENT-IDENTIFIER: US 7282919 B2

TITLE: NMR CryoMAS probe for high-field wide-bore magnets

DATE-ISSUED: October 16, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060176056 A1

August 10, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Doty; F David

Columbia

SC

US

Shevgoor; Siddarth

Columbia

SC

US

APPL-NO: 11/275933 [PALM] [eDan] [US Family]

DATE FILED: February 6, 2006

US-CL-CURRENT: 324/321

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 27. Document ID: US 7218104 B2

L103: Entry 27 of 49

File: USPT

May 15, 2007

US-PAT-NO: 7218104

DOCUMENT-IDENTIFIER: US 7218104 B2

TITLE: Squid detected NMR and MRI at ultralow fields

DATE-ISSUED: May 15, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20070018643 A1

January 25, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; John	Berkeley	CA	94708	US
McDermott; Robert	Louisville	CO	80027	US
Pines; Alexander	Berkeley	CA	94708	US
Trabesinger; Andreas Heinz	CH-8006 Zurich			CH

APPL-NO: 11/534757 [PALM] [eDan] [US Family]
 DATE FILED: September 25, 2006

US-CL-CURRENT: 324/300; 324/306, 600/421

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 28. Document ID: US 7187169 B2

L103: Entry 28 of 49

File: USPT

Mar 6, 2007

US-PAT-NO: 7187169

DOCUMENT-IDENTIFIER: US 7187169 B2

TITLE: NMR and MRI apparatus and method

DATE-ISSUED: March 6, 2007

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20060091881 A1	May 4, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; John	Berkeley	CA		US
Kelso; Nathan	Albany	CA		US
Lee; SeungKyun	Berkeley	CA		US

Moessle; Michael	Berkeley	CA	US
Myers; Whittier	Berkeley	CA	US
McDermott; Robert	Santa Barbara	CA	US
ten Haken; Bernard	Enschede		NL
Pines; Alexander	Berkeley	CA	US
Trabesinger; Andreas	Zurich		CH

APPL-NO: 10/980984 [PALM] [eDan] [US Family]
 DATE FILED: November 3, 2004

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 29. Document ID: US 7154270 B2

L103: Entry 29 of 49

File: USPT

Dec 26, 2006

US-PAT-NO: 7154270

DOCUMENT-IDENTIFIER: US 7154270 B2

TITLE: Gradient coil system for a magnetic resonance tomography device
 having a more effective cooling

DATE-ISSUED: December 26, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050168222 A1

August 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arz; Winfried	Nurnberg			DE
Schaaf; Michael	Shenzhen			CN
Schuster; Johann	Oberasbach			DE

Schon; Lothar

Neunkirchen

DE

APPL-NO: 10/513244 [PALM] [eDan] [US Family]

DATE FILED: April 16, 2003

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 30. Document ID: US 7116102 B2

L103: Entry 30 of 49

File: USPT

Oct 3, 2006

US-PAT-NO: 7116102

DOCUMENT-IDENTIFIER: US 7116102 B2

TITLE: SQUID detected NMR and MRI at ultralow fields

DATE-ISSUED: October 3, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060176054 A1

August 10, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; John	Berkeley	CA		US
McDermott; Robert	Louisville	CO		US
Pines; Alexander	Berkeley	CA		US
Trabesinger; Andreas Heinz	Zurich			CH

APPL-NO: 11/277550 [PALM] [eDan] [US Family]

DATE FILED: March 27, 2006

US-CL-CURRENT: 324/300; 324/306, 600/421

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 31. Document ID: US 7053610 B2

L103: Entry 31 of 49

File: USPT

May 30, 2006

US-PAT-NO: 7053610

DOCUMENT-IDENTIFIER: US 7053610 B2

TITLE: Squid detected NMR and MRI at ultralow fields

DATE-ISSUED: May 30, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050134262 A1

June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; John	Berkeley	CA		US
McDermott; Robert	Louisville	CO		US
Pines; Alexander	Berkeley	CA		US
Trabesinger; Andreas Heinz	Zurich			CH

APPL-NO: 10/995765 [PALM] [eDan] [US Family]

DATE FILED: November 22, 2004

US-CL-CURRENT: 324/300; 324/306

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMCD	Draw Desc	Image

☐ 32. Document ID: US 7034537 B2

L103: Entry 32 of 49

File: USPT

Apr 25, 2006

US-PAT-NO: 7034537

DOCUMENT-IDENTIFIER: US 7034537 B2

TITLE: MRI apparatus correcting vibratory static magnetic field
fluctuations, by utilizing the static magnetic fluctuation itself

DATE-ISSUED: April 25, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040113620 A1

June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsuda; Munetaka	Ibaraki			JP
Yoshino; Hitoshi	Chiba			JP
Takeuchi; Hiroyuki	Chiba			JP
Miyawaki; Shouichi	Chiba			JP

APPL-NO: 10/471539 [PALM] [eDan] [US Family]

DATE FILED: March 14, 2002

US-CL-CURRENT: 324/320; 324/307, 324/319

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 33. Document ID: US 7002341 B2

L103: Entry 33 of 49

File: USPT

Feb 21, 2006

US-PAT-NO: 7002341

DOCUMENT-IDENTIFIER: US 7002341 B2

TITLE: Superconducting quantum interference apparatus and method for high resolution imaging of samples

DATE-ISSUED: February 21, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040145366 A1

July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baudenbacher; Franz J.	Nashville	TN		US
Peters; Nicholas T.	Chicago	IL		US
Wikswow, Jr.; John P.	Brentwood	TN		US
Fagaly; Robert L.	Carlsbad	CA		US

APPL-NO: 10/650263 [PALM] [eDan] [US Family]

DATE FILED: August 27, 2003

US-CL-CURRENT: 324/248; 600/409

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 34. Document ID: US 6933722 B2

L103: Entry 34 of 49

File: USPT

Aug 23, 2005

US-PAT-NO: 6933722

DOCUMENT-IDENTIFIER: US 6933722 B2

TITLE: Magnetic resonance imaging device and gradient magnetic field coil used for it

DATE-ISSUED: August 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsuda; Munetaka	Ibaraki			JP
Takeshima; Hirotaka	Ibaraki			JP
Yatsuo; Takeshi	Chiba			JP

APPL-NO: 10/332069 [PALM] [eDan] [US Family]

DATE FILED: June 9, 2003

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 35. Document ID: US 6885192 B2

L103: Entry 35 of 49

File: USPT

Apr 26, 2005

US-PAT-NO: 6885192

DOCUMENT-IDENTIFIER: US 6885192 B2

TITLE: SQUID detected NMR and MRI at ultralow fields

DATE-ISSUED: April 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; John	Berkeley	CA		
McDermott; Robert	Louisville	CO		
Pines; Alexander	Berkeley	CA		
Trabesinger; Andreas Heinz	Zurich			CH

APPL-NO: 10/360823 [PALM] [eDan] [US Family]

DATE FILED: February 6, 2003

US-CL-CURRENT: 324/300; 324/306, 600/421

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 36. Document ID: US 6861933 B1

L103: Entry 36 of 49

File: USPT

Mar 1, 2005

US-PAT-NO: 6861933

DOCUMENT-IDENTIFIER: US 6861933 B1

TITLE: Superconductive magnet device

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yoshida; Naoji	Tokyo			JP
Tanabe; Hajime	Tokyo			JP
Kuroda; Shigenori	Tokyo			JP

APPL-NO: 10/652319 [PALM] [eDan] [US Family]

DATE FILED: September 2, 2003

US-CL-CURRENT: 335/301; 324/319, 324/320

Full	Title	Citation	Front	Review	Classification	Date
Reference	Summary	Abstract	Claims	KMC	Draw Desc	Image

☐ 37. Document ID: US 6847279 B2

L103: Entry 37 of 49

File: USPT

Jan 25, 2005

US-PAT-NO: 6847279

DOCUMENT-IDENTIFIER: US 6847279 B2

**** See image for Certificate of Correction ****

TITLE: Superconductive magnet device

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yoshida; Naoji	Tokyo			JP
Tanabe; Hajime	Tokyo			JP
Kuroda; Shigenori	Tokyo			JP

APPL-NO: 10/652318 [PALM] [eDan] [US Family]

DATE FILED: September 2, 2003

US-CL-CURRENT: 335/301; 324/320

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Dram Desc	Image

☐ 38. Document ID: US 6707359 B2

L103: Entry 38 of 49

File: USPT

Mar 16, 2004

US-PAT-NO: 6707359

DOCUMENT-IDENTIFIER: US 6707359 B2

TITLE: Superconductive magnet device

DATE-ISSUED: March 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yoshida; Naoji	Tokyo			JP
Tanabe; Hajime	Tokyo			JP
Kuroda; Shigenori	Tokyo			JP

APPL-NO: 10/120358 [PALM] [eDan] [US Family]

DATE FILED: April 12, 2002

US-CL-CURRENT: 335/216; 324/320, 335/301

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 39. Document ID: US 6593144 B2

L103: Entry 39 of 49

File: USPT

Jul 15, 2003

US-PAT-NO: 6593144

DOCUMENT-IDENTIFIER: US 6593144 B2

**** See image for Certificate of Correction ****

TITLE: Magnetic resonance imaging using hyperpolarized noble gases

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Albert; Mitchell S.	Shoreham	NY		
Balamore; Dilip	Shoreham	NY		
Cates, Jr.; Gordon D.	Skillman	NJ		
Driehuys; Bastiaan	Bristol	PA		
Happer; William	Princeton	NJ		
Saam; Brian	Princeton	NJ		
Wishnia; Arnold	Setauket	NY		

APPL-NO: 09/741292 [PALM] [eDan] [US Family]

DATE FILED: December 19, 2000

US-CL-CURRENT: 436/173; 424/9.3, 424/9.37, 600/410, 600/411, 600/420

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 40. Document ID: US 6275039 B1

L103: Entry 40 of 49

File: USPT

Aug 14, 2001

US-PAT-NO: 6275039

DOCUMENT-IDENTIFIER: US 6275039 B1

TITLE: Magnetic resonance pre-polarization apparatus

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Young; Ian Robert	Marlborough			GB
Eastham; John Frederick	Bath			GB

APPL-NO: 09/124656 [PALM] [eDan] [US Family]

DATE FILED: July 29, 1998

US-CL-CURRENT: 324/319; 324/300, 324/306, 324/307, 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 41. Document ID: US 6241966 B1

L103: Entry 41 of 49

File: USPT

Jun 5, 2001

US-PAT-NO: 6241966

DOCUMENT-IDENTIFIER: US 6241966 B1

**** See image for Certificate of Correction ****

TITLE: Magnetic resonance imaging using Hyperpolarized noble gases

DATE-ISSUED: June 5, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Albert; Mitchell S.	Shoreham	NY
Balamore; Dilip	Shoreham	NY
Cates, Jr.; Gordon D.	Skillman	NJ
Driehuys; Bastiaan	Bristol	PA
Happer; William	Princeton	NJ
Saam; Brian	Princeton	NJ
Wishnia; Arnold	Setauket	NY

APPL-NO: 09/040788 [PALM] [eDan] [US Family]
 DATE FILED: March 18, 1998

US-CL-CURRENT: 424/9.3; 424/9.37, 436/173, 534/7, 600/420

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 42. Document ID: US 6236209 B1

L103: Entry 42 of 49

File: USPT

May 22, 2001

US-PAT-NO: 6236209

DOCUMENT-IDENTIFIER: US 6236209 B1

TITLE: Actively shielded, transversal gradient coil system with 3D connection technology

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arz; Winfried	Erlangen			DE
Schuster; Johann	Oberasbach			DE

APPL-NO: 09/429173 [PALM] [eDan] [US Family]
 DATE FILED: October 28, 1999

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 43. Document ID: US 6147494 A

L103: Entry 43 of 49

File: USPT

Nov 14, 2000

US-PAT-NO: 6147494

DOCUMENT-IDENTIFIER: US 6147494 A

TITLE: Magnetic resonance apparatus provided with force-optimized gradient coils

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ham; Cornelis L. G.	Eindhoven			NL

APPL-NO: 09/198934 [PALM] [eDan] [US Family]

DATE FILED: November 24, 1998

US-CL-CURRENT: 324/318; 324/319

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 44. Document ID: US 5789921 A

L103: Entry 44 of 49

File: USPT

Aug 4, 1998

US-PAT-NO: 5789921

DOCUMENT-IDENTIFIER: US 5789921 A

**** See image for Certificate of Correction ****

TITLE: Magnetic resonance imaging using hyperpolarized noble gases

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Albert; Mitchell S.	Shoreham	NY		
Balamore; Dilip	Shoreham	NY		
Cates, Jr.; Gordon D.	Skillman	NJ		
Driehuys; Bastiaan	Bristol	PA		
Happer; William	Princeton	NJ		
Saam; Brian	Princeton	NJ		
Wishnia; Arnold	Setauket	NY		

APPL-NO: 08/485356 [PALM] [eDan] [US Family]
 DATE FILED: June 7, 1995

US-CL-CURRENT: 324/300; 324/304, 600/420

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 45. Document ID: US 5414399 A

L103: Entry 45 of 49

File: USPT

May 9, 1995

US-PAT-NO: 5414399

DOCUMENT-IDENTIFIER: US 5414399 A

TITLE: Open access superconducting MRI magnet having an apparatus for reducing magnetic hysteresis in superconducting MRI systems

DATE-ISSUED: May 9, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breneman; Bruce C.	San Diego	CA		
Sarwinski; Raymond E.	San Diego	CA		
Hsu; Yen-Hwa L.	Solana Beach	CA		

APPL-NO: 07/812080 [PALM] [eDan] [US Family]

DATE FILED: December 19, 1991

US-CL-CURRENT: 335/301; 324/318, 335/216

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 46. Document ID: US 5412363 A

L103: Entry 46 of 49

File: USPT

May 2, 1995

US-PAT-NO: 5412363

DOCUMENT-IDENTIFIER: US 5412363 A

TITLE: Open access superconducting MRI magnet

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breneman; Bruce C.	San Diego	CA		
Sarwinski; Raymond E.	San Diego	CA		
Hsu; Yen-Hwa L.	Solana Beach	CA		

APPL-NO: 08/259914 [PALM] [eDan] [US Family]

DATE FILED: June 10, 1994

US-CL-CURRENT: 335/216; 324/318, 324/319, 505/893, 62/51.1

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 47. Document ID: US 5194810 A

L103: Entry 47 of 49

File: USPT

Mar 16, 1993

US-PAT-NO: 5194810

DOCUMENT-IDENTIFIER: US 5194810 A

TITLE: Superconducting MRI magnet with magnetic flux field homogeneity control

DATE-ISSUED: March 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breneman; Bruce C.	San Diego	CA		
Sarwinski; Raymond E.	San Diego	CA		
Hsu; Yen-Hwa L.	Solana Beach	CA		

APPL-NO: 07/813981 [PALM] [eDan] [US Family]

DATE FILED: December 26, 1991

US-CL-CURRENT: 324/319; 335/216, 335/296

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMMC	Draw Desc	Image

☐ 48. Document ID: US 4587504 A

L103: Entry 48 of 49

File: USPT

May 6, 1986

US-PAT-NO: 4587504

DOCUMENT-IDENTIFIER: US 4587504 A

TITLE: Magnet assembly for use in NMR apparatus

DATE-ISSUED: May 6, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Ian J.	Oxon			GB3
Bird; John M.	Oxon			GB3

McDougall; Ian L. Oxon GB3
Black; David Oxon GB3

APPL-NO: 06/669311 [PALM] [eDan] [US Family]
DATE FILED: November 7, 1984

US-CL-CURRENT: 335/216; 324/319, 335/299, 335/301, 505/879

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 49. Document ID: US 3412320 A

L103: Entry 49 of 49

File: USOC

Nov 19, 1968

US-PAT-NO: 3412320

DOCUMENT-IDENTIFIER: US 3412320 A

TITLE: Cryostat having an effective heat exchanger for cooling its input leads and other leak paths

DATE-ISSUED: November 19, 1968

INVENTOR-NAME: MARSHALL HARRY L

US-CL-CURRENT: 324/322; 174/15.4, 174/18, 324/310, 335/216, 505/885,
62/51.1

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Term	Documents
VACUUM	1612868
VACUUMS	9924

(102 AND VACUUM).PGPB,USPT,USOC,EPAB,JPAB, DWPI,TDBD.	49
(L102 and (vacuum)).PGPB,USPT,USOC,EPAB,JPAB,DWPI, TDBD.	49

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